

1 WHAT IS CLAIMED IS:

2 1. A system, comprising:
3 an antenna;
4 a module in communication with the antenna, the module
5 to drive the antenna to produce carrier waves having a
6 succession of frequencies, the module further to drive the
7 antenna to produce a modulated carrier wave to transmit a
8 first protocol message, the first protocol message including
9 data for the succession of frequencies, the module further
10 to drive the antenna to produce carrier waves of at least
11 two of the succession of frequencies prior to transmission
12 of a second protocol message; and
13 a demodulator to receive and demodulate a received
14 differential phase shift keying (DPSK) modulated carrier
15 wave.

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17 2. The system of claim 1, further including a filter
18 in communication with at least one of the antenna and a
19 different antenna.

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21 3. The system of claim 2, wherein the filter is a
22 passband filter.

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24 4. The system of claim 3, wherein the passband filter
25 is to filter frequencies outside of a passband surrounding a
26 frequency included in the succession of frequencies.

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28 5. The system of claim 1, wherein the module is
29 further to drive the antenna to produce a carrier wave of a
30 first frequency of the succession of frequencies and to
31 subsequently drive the antenna to produce a carrier wave of
32 a second frequency of the succession of frequencies while
33 transmitting the carrier waves.

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35 6. The system of claim 1, wherein the module is
36 further to drive the antenna to produce carrier waves having
37 frequencies in compliance with protocols of the Bluetooth
38 Special Interest Group.

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40 7. The system of claim 1, wherein the module is
41 included in one of a computer, a printer, and a facsimile
42 machine.

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44 8. A system, comprising:

45 a dipole antenna to receive electromagnetic (EM) waves
46 and to output a signal indicative of the received EM waves;
47 and

48 a module in communication with the dipole antenna, the
49 module to receive the signal indicative of the received EM
50 waves, the module further to decode a first protocol message
51 included in the signal, the first protocol message including
52 data for a succession of predetermined carrier wave

53 frequencies, the module further to modulate a reflectivity
54 of the dipole antenna to reflect at least a portion of
55 received EM waves having at least two of the succession of
56 predetermined carrier wave frequencies prior to receiving a
57 second protocol message.

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59 9. The system of claim 8, further including a switch
60 serially coupled across the dipole antenna, and wherein the
61 module is to operate the switch to modulate the
62 reflectivity.

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64 10. The system of claim 8, wherein the received EM
65 waves include modulated carrier waves, and wherein module is
66 to decode the signal indicative of the received EM waves to
67 retrieve data encoded in the modulated carrier waves.

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69 11. The system of claim 8, wherein the received EM
70 waves include carrier waves having frequencies complying
71 with protocols of the Bluetooth Special Interest Group.

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73 12. The system of claim 8, wherein the system is
74 included in a device chosen from the group consisting of a
75 cellular phone, a pager, a personal digital assistant, a
76 computer, a keyboard, and a computer mouse.

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79 13. A system, comprising:
80 an antenna to receive electromagnetic (EM) waves and to
81 output a signal indicative of the received EM waves;
82 a module in communication with the antenna, the module
83 to receive the signal indicative of the received EM waves,
84 the module further to decode a first protocol message
85 included in the signal, the first protocol message including
86 data for a succession of predetermined carrier wave
87 frequencies, the module further to modulate a reflectivity
88 of the antenna to reflect at least a portion of received EM
89 waves having at least two of the succession of predetermined
90 carrier wave frequencies prior to receiving a second
91 protocol message; and
92 a flash memory in communication with the module.

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94 14. The system of claim 13, wherein the flash memory
95 is to store at least one of data and instructions.

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97 15. The system of claim 14, wherein the module is to
98 read at least one of data and instructions from the flash
99 memory.

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101 16. The system of claim 13, further including a switch
102 serially coupled across the antenna, and wherein the module
103 is to operate the switch to modulate the reflectivity.

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105 17. The system of claim 13, wherein the received EM
106 waves include modulated carrier waves, and wherein the
107 module is to decode the signal indicative of the received EM
108 waves to retrieve data encoded in the modulated carrier
109 waves.

110

111 18. The system of claim 13, wherein the received EM
112 waves include carrier waves having frequencies complying
113 with protocols of the Bluetooth Special Interest Group.

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115 19. The system of claim 13, wherein the system is
116 included in a device chosen from the group consisting of a
117 cellular phone, a pager, a personal digital assistant, a
118 computer, a keyboard, and a computer mouse.